

**Iowa Department of Natural Resources  
Voluntary Operating Permit**

**NAME OF PERMITTED FACILITY: Kinze Manufacturing, Inc.**

**FACILITY LOCATION: 2172 M Avenue  
Williamsburg, IA 52361**

**AIR QUALITY OPERATING PERMIT NUMBER: 99-VOP-007**

**Expiration Date: May 10, 2004**

**EIQ Number: 92-3017**

**Facility File Number: 48-02-006**

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**RESPONSIBLE OFFICIAL**

**Name: Frank Weaver  
Title: Finishing Engineer  
Mailing Address: 2172 M Avenue, Williamsburg, IA 52361  
Phone #: (319) 668-1300**

**PERMIT CONTACT PERSON FOR THE FACILITY**

**Name: Frank Weaver  
Title: Finishing Engineer  
Mailing Address: 2172 M Avenue, Williamsburg, IA 52361  
Phone #: (319) 668-1300**

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This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

**For the Director of the Department of Natural Resources**

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Christine Spackman, Supervisor, Air Quality Operating Permits Section

Date

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## Abbreviations

EP .....	emission point
EU.....	emission unit
F.....	fugitive emission source
acfm.....	actual cubic feet per minute
CFR .....	Code of Federal Regulations
° F .....	degrees Fahrenheit
EIQ .....	emissions inventory questionnaire
gr/dscf.....	grains per dry standard cubic foot
hp.....	horsepower
IAC .....	Iowa Administrative Code
IDNR .....	Iowa Department of Natural Resources
MVAC.....	motor vehicle air conditioner
NSPS .....	new source performance standards
lb/hr .....	pounds per hour
lb/MMBtu.....	pounds per million British thermal units
USEPA .....	United States Environmental Protection Agency
MWe.....	Megawatt electrical
tpy.....	tons per year
MMBtu/hr.....	million British thermal units per hour
kW .....	kilowatts
ppm v.....	parts per million by volume

### **Pollutants**

PM <sub>10</sub> .....	particulate matter 10 microns or less
PM .....	particulate matter
SO <sub>2</sub> .....	sulfur dioxide
NO <sub>x</sub> .....	nitrogen oxide
VOC .....	volatile organic compound
CO .....	carbon monoxide
HAP .....	hazardous air pollutant

## I. Facility Description and Equipment List

**Facility Name** Kinze Manufacturing, Inc.  
**Permit Number:** 99-VOP-007

**Facility Description:** Farm Machinery Manufacturer

### Equipment List

Emission-Point Number	Emission Unit(s)	
	ID Number(s)	Description
17	3	Spray Paint Booth – Material Used: Powder Coat Paint Control Equipment (CE 2) Filters 9.3 gal/hr 48918 SCFM
14	5	Wood fired Water Heater – Material Used: Ground Wood 1150 lb wood/hr 5.928 MMBtu/hr
18	11	Heat Cleaning Oven – Material Used: Natural Gas 645 SCFM 480,000 BTU/hr
26, 27	12	Phosphate Wash Booth for Powder Coat Paint Line with two exhausts – Material Used: Prep/coat and Water 7000 parts/hr EP 26 7300 SCFM EP 27 1760 SCFM
28	13	Dry Off Oven for Powder Coat Line – Material Used: Farm Equipment Parts 7,000 parts/hr
28	NP15	Dry Off Oven Burner – Material Used: Natural Gas 3.75 MMBTU/hr
29	14	Main Oven for Powder Coat Line – Material Used: Farm Equipment Parts 7,000 parts/hr 4625 SCFM
29	NP16	Cure Oven Burner – Material used: Natural Gas 3.85 MMBTU/hr
29	NP17	Cure Oven Burner – Material Used: Natural Gas 3.85 MMBTU/hr
30	15	Small Assembly Cure Oven – Material Used: Farm Equipment Parts 7,000 parts/hr 1098 SCFM
30	NP18	Small Assembly Cure Oven Burner – Material Used: Natural Gas 5.3 MMBTU/hr
32	16	Manufacturing Paint Booth –Material Used: Powder Coat Paint Control Equipment (CE4) Filters 9.36 gal/hr 48,918 SCFM
33	17	KP Engine Exhaust Extractor – Material Used: Diesel Fuel 2906 CFM
34	18	KP Engine Exhaust Extractor – Material Used: Diesel Fuel 2906 CFM

35	19	Maintenance Engine Exhaust Extractor - Material Used: Diesel Fuel 4000 CFM
36	20	KP Bead Blaster – Material Used: Glass Beads 85 CFM 2,080 hr/yr
NP12	NP12	Wood Grinder – Material Used: Wood 4,000 lb of wood/hr 325 horsepower, 0.83 MMBtu/hr
NP01- NP31	NP01	Natural Gas Heaters – Fugitive Emissions
NP36	NP02	Wash Booth Burner – Material Used: Natural Gas 5.5 MMBTU/hr
NP37	NP03	Wash Booth Burner – Material Used: Natural Gas 5.5 MMBTU/hr
NP38	NP04	Hotsy Power Washers – Material Used: Natural Gas 0.35 MMBTU/hr
NP39	NP05	Hotsy Power Washer – Material Used: Natural Gas 0.35 MMBTU/hr
NP40	NP06	Evaporator
NP41	NP19	Natural Gas Furnace (Office) – 120,000 MMBtu/hr
NP41	NP20	Natural Gas Furnace (Office) – 120,000 MMBtu/hr
NP42	NP21	Natural Gas Furnace (Office) – 45,000 MMBtu/hr
NP42	NP22	Natural Gas Furnace (Office) – 120,000 MMBtu/hr
NP42	NP23	Natural Gas Furnace (Office) – 120,000 MMBtu/hr
NP43	NP24	Natural Gas Furnace (Eng) – 125,000 MMBtu/hr
NP44	NP25	Natural Gas Furnace (Eng) – 125,000 MMBtu/hr
NP45	NP26	Natural Gas Furnace (Break room) – 60,000 MMBtu/hr
Fugitive	NP07	Thermal Cutting Machine/ Laser – Material Used: Farm Equipment Parts Control Equipment Torit Dust/Fume Collector 1,000 acfm
Fugitive	NP08	Thermal Cutting Machine/HY-DEF Plasma Cutter – Material Used: Farm Equipment Parts Control Equipment Torit Dust/Fume Collector 4,000 acfm
Fugitive	NP09	Thermal Cutting Machine/Plasma Cutter – Material Used: Farm Equipment Parts Control Equipment Torit Dust/Fume Collector 4,000 acfm
Fugitive	NP10	Thermal Cutting Machine/Flame Torch/Plasma Cutter – Material Used: Farm Equipment Parts
Fugitive	NP11	Thermal Cutting Machine/Flame Torch Cutter – Materials Used: Farm Equipment Parts
Fugitive	NP13	Welding – Material Used: Welding Wire
Fugitive	Fugitives	Powder Coat Booth Fugitive Emissions

## II. Plant-Wide Conditions

Facility Name: Kinze Manufacturing, Inc.

Permit Number: 99-VOP- 007

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.206

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### Permit Duration

The term of this permit is: Five (5) years

Commencing on: May 11, 1999

Ending on: May 10, 2004

Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.208.

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### Plant-Wide Emission Limits

The atmospheric emissions from the plant as a whole shall not exceed the following:

Pollutant: SO<sub>2</sub>

Emission Rate (tons/12-month period, rolled monthly): 99.4

Authority for Requirement: 567 IAC 22.206

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### Operational Limits & Requirements

1. Kinze Manufacturing, Inc. shall demonstrate compliance with the plant-wide SO<sub>2</sub> emission limit with emission limits on EU 5. The permit limits EU 5, the Wood-fired Water Heater, to 3.8 tons/yr SO<sub>2</sub> per 12-calendar month period rolled monthly, and the fuel is limited to untreated wood.
2. Section III of this permit includes this operating hour limitation and the monitoring, reporting, and recordkeeping requirements associated with these limitations.

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## **Monitoring, Reporting and Recordkeeping Requirements**

The permittee shall maintain the following compliance monitoring records:

- a. the date, place, and time of sampling or measurements;
- b. the date the analyses were performed;
- c. the company or entity that performed the analyses;
- d. the analytical techniques or methods used;
- e. the results of such analyses;
- f. the operating conditions as existing at the time of sampling or measurement;  
and,
- g. the records of quality assurance for continuous compliance monitoring systems including but not limited to quality control activities, audits and calibration drifts.

Unless otherwise specified, the permittee shall retain records of all required compliance data and support information required under this permit for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.

Authority for Requirement - 567 IAC 22.206(1)

**Unless specified otherwise in the Emission Point Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:**

**Opacity (Visible Emissions):** 40% opacity

Authority for Requirement: 567 IAC 23.3(2)"d"

**SO<sub>2</sub>:** 500 parts per million by volume (ppmv)

Authority for Requirement: 567 IAC 23.3(3)"e"

**Particulate Matter:** Shall not exceed the amount determined from Table I (process weight rate) of Chapter 23 of the rules. If the director determines that a process complying with the emission rates specified in Table I is causing or will cause air pollution in a specific area of the state, an emission standard of 0.1 grain per standard cubic foot of exhaust gas may be imposed.

Authority for Requirement: 567 IAC 23.3(2)"a"

**Fugitive Dust:** Attainment and Unclassified Areas - No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2)"c"

### III. Emission Point-Specific Conditions

Facility Name: Kinze Manufacturing, Inc.

Permit Number: **99-VOP- 007**

#### Summary of Emission Point-Specific Conditions

Emission Point I.D. Number	Emission Unit I.D. Number(s)	Emission Point-Specific Conditions
17	3	Refer to Subsection A
14	5	Refer to Subsection B
18	11	Refer to Subsection C
26	12	Refer to Subsection D
27	12	Refer to Subsection E
28	13	Refer to Subsection F
29	14	Refer to Subsection G
30	14	Refer to Subsection H
32	16	Refer to Subsection I
33	17	Refer to Subsection J
34	18	Refer to Subsection K
35	19	Refer to Subsection L
36	20	Refer to Subsection M
NP12	NP12	Refer to Subsection N
NP01-NP31	NP01	None
NP36	NP02	None
NP37	NP03	None
NP38	NP04	None
NP39	NP05	None
NP40	NP06	None
NP41	NP19	None
NP41	NP20	None
NP42	NP21	None
NP42	NP22	None
NP42	NP23	None
NP43	NP4	None
NP44	NP25	None
NP45	NP26	None
Fugitive	NP07	None
Fugitive	NP08	None
Fugitive	NP09	None
Fugitive	NP10	None
Fugitive	NP11	None
Fugitive	NP13	None
Fugitive	Fugitives	None



## A. Emission Point-Specific Conditions for EP 17

### Associated Equipment

Associated Emission Unit ID Number: 3

Emissions Control Equipment ID Number: 2

Emissions Control Equipment Description: Filter

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### Applicable Requirements

Emission Unit vented through this Emission Point: 3

Emission Unit Description: Spray Paint Booth

Raw Material/Fuel: Paint

Rated Capacity: 9.3 gal/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.01 gr/dscf, 0.112 tons/yr

*Authority for Requirement: 567 IAC 23.4(13), Iowa DNR Construction Permit 95-A-110-S1*

Opacity: 40%

\*If emissions above the Indicator Opacity (10%) are observed other than at start-up, shut-down, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.

*Authority for Requirement: 567 IAC 23.3(2)d, Iowa DNR Construction Permit 95-A-110-S1*

VOC: 56.25 lb/hr, 2.808 tons/yr

*Authority for Requirement: Iowa DNR Construction Permit 95-A-110-S1*

HAPs: 2.808 tons/yr

*Authority for Requirement: Iowa DNR Construction Permit 95-A-110-S1*

### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput: Spray Gun capacity 20 oz/min, and no more than one spray gun can be used at the same time.

Maximum VOC content of Material Sprayed – 6 lb/gal

Material Usage Limit of 936 gallons of paint per 12 month rolling period

*Authority for Requirements: Iowa DNR Construction Permit 95-A-110*

Additional Emission Requirements: The source emission characteristics for this emission point shall be as follows:

- a. Stack height = 26 feet
- b. Stack Diameter = 49 inches
- c. Stack Temperature = 70 °F
- d. Flowrate = 26000 acfm
- e. Stack is equipped with a vertical, unobstructed discharge.

*Authority for Requirement: Iowa DNR Construction Permit 95-A-110-S1*

#### Stack Testing and Monitoring Requirements

Stack testing and monitoring shall not be required at this time.

#### Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Recordkeeping Requirement: Records shall be maintained onsite for at least five years to indicate the following:

Record the VOC content in lb/gal for each material sprayed

Record the amount of each paint used based on a 12-month rolling period, rolled monthly. Calculate the VOC emissions by multiplying the VOC content of each paint by the amount of paint used of each respectively.

Record maintenance or replacement of filters

*Authority for Requirement - Iowa DNR Construction Permit 95-A-110-S1*

## **B. Emission Point-Specific Conditions for EP 14**

### Associated Equipment

Associated Emission Unit ID Number: 5

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 5  
Emission Unit Description: Wood-fired Water Heater  
Raw Material/Fuel: Ground Wood  
Rated Capacity: 1150 lb wood/hr

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.8 lb/MMBtu

*Authority for Requirement: 567 IAC 23.3(2)b(1), Iowa DNR Construction Permit 86-A-053.*

Sulfur Dioxide: 3.8 tons/yr

*Authority for Requirement: 567 IAC 22.108(13)*

#### Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput: This unit's fuel usage shall be limited to untreated wood.

*Authority for Requirement: 567 IAC 22.108(13)*

#### Stack Testing and Monitoring Requirements

Stack testing and monitoring shall not be required at this time.

#### Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Recordkeeping and recording shall not be required at this time.

## C. Emission Point-Specific Conditions for EP 18

### Associated Equipment

Associated Emission Unit ID Number: 11

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### Applicable Requirements

Emission Unit vented through this Emission Point: 11

Emission Unit Description: Heat Cleaning Oven

Raw Material/Fuel: Natural Gas

Rated Capacity: 480,000 BTU/hr

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.20 lb/hr, 0.1 gr/dscf

*Authority for Requirement: 567 IAC 23.3(2)a, Iowa DNR Construction Permit 95-A-595*

Sulfur Dioxide: 0.01 lb/hr, 500 ppmv

*Authority for Requirement: 567 IAC 23.3(3), Iowa DNR Construction Permit 95-A-595*

Nitrogen Oxides: 0.10 lb/hr.

*Authority for Requirement: Iowa DNR Construction Permit 95-A-595*

VOC: 0.02 lb/hr.

*Authority for Requirement: Iowa DNR Construction Permit 95-A-595*

CO: 0.01 lb/hr.

*Authority for Requirement: Iowa DNR Construction Permit 95-A-595*

Opacity: 40 %

*Authority for Requirement: Iowa DNR Construction Permit 95-A-595*

#### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput: Afterburner shall be run at a minimum temperature of 1500 °F

Additional Emission Requirements: The source emission characteristics for this emission point shall be as follows:

- a. Stack height = 24 feet
- b. Stack Diameter = 10 inches
- c. Stack Temperature = 1500 °F
- d. Flowrate = 645 scfm

*Authority for Requirement: Iowa DNR Construction Permit 95-A-595*

#### Stack Testing and Monitoring Requirements

Stack testing and monitoring shall not be required at this time.

Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Notification Requirements: The owner shall furnish the DNR the following notifications:

- a. transfer of equipment ownership within 30 days of the occurrence.
- b. portable equipment relocation at least thirty (30) days before equipment relocation.

*Authority of Requirement: Iowa DNR Construction Permit 95-A-595*

## D. Emission Point-Specific Conditions for EP 26

### Associated Equipment

Associated Emission Unit ID Number: 12

Emissions Control Equipment ID Number: 2

Emissions Control Equipment Description: Filter

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### Applicable Requirements

Emission Unit vented through this Emission Point: 12

Emission Unit Description: Phosphate Wash Booth

Raw Material/Fuel: Prep coat and Water

Rated Capacity: 7,000 parts/hr

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.1 gr/dscf.

*Authority for Requirement: 567 IAC 23.3(2)a, Iowa DNR Construction Permit 97-A-222-S1*

Particulate Matter (PM<sub>10</sub>): 0.15 lb/hr.

*Authority for Requirement: Iowa DNR Construction Permit 97-A-222-S1*

Opacity: 0 %

*Authority for Requirement: 567 IAC 23.3(2)d*

#### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput: The wash solution used in the equipment administered under DNR permit 97-A-222-S1 shall contain no volatile organic compounds.

*Authority for Requirements: Iowa DNR Construction Permit 97-A-222-S1*

Additional Emission Requirements: The source emission characteristics for this emission point shall be as follows:

- a. Stack height = 31 feet
- b. Stack Diameter = 24 inches
- c. Stack Temperature = Ambient
- d. Flowrate = 7300 acfm

*Authority for Requirement: Iowa DNR Construction Permit 97-A-222-S1*

#### Stack Testing and Monitoring Requirements

Stack testing and monitoring shall not be required at this time.

#### Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Notification Requirement: The owner shall furnish the DNR the following notifications:

- a. transfer of equipment ownership within 30 days of the occurrence.
- b. portable equipment relocation at least thirty (30) days before equipment relocation.

*Authority of Requirement: Iowa DNR Construction Permit 97-A-222-S1*

## E. Emission Point-Specific Conditions for EP 27

### Associated Equipment

Associated Emission Unit ID Number: 12

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### Applicable Requirements

Emission Unit vented through this Emission Point: 12

Emission Unit Description: Phosphate Wash Booth

Raw Material/Fuel: Prep coat and Water

Rated Capacity: 7,000 parts/hr

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.1 gr/dscf.

*Authority for Requirement: 567 IAC 23.3(2)a, Iowa DNR Construction Permit 97-A-223-S1*

Particulate Matter (PM<sub>10</sub>): 0.15 lb/hr.

*Authority for Requirement: Iowa DNR Construction Permit 97-A-223 S1*

Opacity: 40 %\*

\*If emissions above the Indicator Opacity (10%) are observed other than at start-up, shut-down, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.

*Authority for Requirement: 567 IAC 23.3(2)d, Iowa DNR Construction Permit 97-A-223-S1*

#### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput: The wash solution used in the equipment administered under DNR permit 97-A-223-S1 shall contain no volatile organic compounds.

*Authority for Requirements: Iowa DNR Construction Permit 97-A-223-S1*

Additional Emission Requirements: The source emission characteristics for this emission point shall be as follows:

- a. Stack height = 31 feet
- b. Stack Diameter = 12 inches
- c. Stack Temperature = 140 °F
- d. Flowrate = 1760 acfm

*Authority for Requirement: Iowa DNR Construction Permit 97-A-223-S1*

#### Stack Testing and Monitoring Requirements

Stack testing and monitoring shall not be required at this time.

#### Recordkeeping and Reporting Requirements



*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Notification Requirement: The owner shall furnish the DNR the following notifications:

- a. transfer of equipment ownership within 30 days of the occurrence.
- b. portable equipment relocation at least thirty (30) days before equipment relocation.

*Authority of Requirement: Iowa DNR Construction Permit 97-A-223-S1*

## F. Emission Point-Specific Conditions for EP 28

### Associated Equipment

Associated Emission Unit ID Number: 13

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 13

Emission Unit Description: Dry Off Oven

Raw Material/Fuel: Farm Equipment Parts

Rated Capacity: 7,000 parts/hr

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.01 gr/dscf.

*Authority for Requirement: Iowa DNR Construction Permit 97-A-224.*

Opacity: 0%

*Authority for Requirement: Iowa DNR Construction Permit 97-A-224*

#### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Additional Emission Requirements: The source emission characteristics for this emission point shall be as follows:

- a. Stack height = 37 feet
- b. Stack Diameter = 12 inches
- c. Stack Temperature = 250 °F
- d. Flowrate = 2800 acfm

*Authority for Requirement: Iowa DNR Construction Permit 97-A-224*

#### Stack Testing and Monitoring Requirements

Stack testing and monitoring shall not be required at this time.

#### Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Notification Requirements: The owner shall furnish the DNR the following notifications:

- a. transfer of equipment ownership within 30 days of the occurrence.
- b. portable equipment relocation at least thirty (30) days before equipment relocation.

*Authority of Requirement: Iowa DNR Construction Permit 97-A-224*

## G. Emission Point-Specific Conditions for EP 29

### Associated Equipment

Associated Emission Unit ID Number: 14

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### Applicable Requirements

Emission Unit vented through this Emission Point: 14

Emission Unit Description: Cure Oven- Large Assembly

Raw Material/Fuel: Farm Equipment Parts

Rated Capacity: 7,000 parts/hr

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.01 gr/dscf.

*Authority for Requirement: Iowa DNR Construction Permit 97-A-225*

Opacity: 0%

*Authority for Requirement: Iowa DNR Construction Permit 97-A-225*

#### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Additional Emission Requirements: The source emission characteristics for this emission point shall be as follows:

- a. Stack height = 37 feet
- b. Stack Diameter = 24 inches
- c. Stack Temperature = 425 °F
- d. Flowrate = 4625 acfm

#### Stack Testing and Monitoring Requirements

Stack testing and monitoring shall not be required at this time.

#### Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Notification Requirements: The owner shall furnish the DNR the following notifications:

- a. transfer of equipment ownership within 30 days of the occurrence.
- b. portable equipment relocation at least thirty (30) days before equipment relocation.

*Authority of Requirement: Iowa DNR Construction Permit 97-A-225*

## H. Emission Point-Specific Conditions for EP 30

### Associated Equipment

Associated Emission Unit ID Number: 14

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 14

Emission Unit Description: Cure Oven- Small Assembly

Raw Material/Fuel: Farm Equipment Parts

Rated Capacity: 7,000 parts/hr

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.1 gr/dscf.

*Authority for Requirement: 567 IAC 23.3(2)a, Iowa DNR Construction Permit 98-A-923-S1*

Opacity: 40%\*

\*If emissions above the Indicator Opacity (25%) are observed other than at start-up, shut-down, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.

*Authority for Requirement: 567 IAC 23.3(2)d, Iowa DNR Construction Permit 99-A-129*

#### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput: The rated capacity of the oven cannot exceed 5.3 MMBtu/hr.

The oven is limited to using natural gas as fuel.

*Authority for Requirement: Iowa DNR Construction Permit 98-A-923-S1*

Additional Emission Requirements: The source emission characteristics for this emission point shall be as follows.

- a. Stack height = 34 feet
- b. Stack Diameter = 12 inches
- c. Stack Temperature = 450 °F
- d. Flowrate = 2351 acfm
- e. The stack has a horizontal discharge.

*Authority for Requirement: Iowa DNR Construction Permit 98-A-923-S1*

#### Stack Testing and Monitoring Requirements

Stack testing and monitoring shall not be required at this time.

Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

None required at this time.

## **I. Emission Point-Specific Conditions for EP 32**

### Associated Equipment

Associated Emission Unit ID Number: 16

Emissions Control Equipment ID Number: 4

Emissions Control Equipment Description: Filter

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 16

Emission Unit Description: Manufacturing Paint Booth

Raw Material/Fuel: Paint

Rated Capacity: 9.36 gal/hr

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.01 gr/dscf.

*Authority for Requirement: 567 IAC 23.4(13), Iowa DNR Construction Permit 98-A-360-S1*

Particulate Matter (PM<sub>10</sub>): 3.29 lb/hr, 14.4 tons/year

*Authority for Requirement: Iowa DNR Construction Permit 98-A-360-S1*

VOC: 29.50 tons/year

*Authority for Requirement: Iowa DNR Construction Permit 98-A-360-S1*

HAPs: 13.35 tons/year

*Authority for Requirement: Iowa DNR Construction Permit 98-A-360-S1*

#### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. The following densities can not be exceeded without first obtaining a modification:

Xylene = 0.39 lb/gal

n-Butyl Alcohol = 0.49 lb/gal

Zinc Phosphate = 0.52 lb/gal

1,2,4 Trimethylbenzene = 0.88 lb/gal

2. No other hazardous pollutants are to be emitted from this paint booth without first obtaining a modification.
3. The total paint usage cannot exceed 10,000 gallons per 12-month rolling period, rolled monthly.
4. The number of guns keyed at a time cannot exceed 2.
5. The capacity of the spray gun cannot exceed 9.36 gal/hr.

*Authority for Requirements: Iowa DNR Construction Permit 98-A-360-S1*

Additional Emission Requirements: The source emission characteristics for this emission point shall be as follows:

- a. Stack height = 41 feet
- b. Stack Diameter = 42 inches
- c. Stack Temperature = Ambient
- d. Flowrate = 48918 acfm

*Authority for Requirement: Iowa DNR Construction Permit 98-A-360-S1*

#### Stack Testing and Monitoring Requirements

Stack testing and monitoring shall not be required at this time.

#### Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Records shall be maintained onsite for at least five years and shall indicate the following:

1. Record the VOC content of all paints used in this booth, in pounds per gallon.
2. Record the amount used of each paint based on a 12-month rolling period, rolled monthly. Calculate the VOC emissions by multiplying the VOC content by the amount used of paint. This calculation is based on a 12-month rolling period, rolled monthly.
3. Record the individual HAP content of all paints used in this booth, in pounds per gallon. Record the amount used of paint based on a 12-month rolling period, rolled monthly. Calculate the individual HAP emissions by multiplying the HAP content of paint by the amount used. This calculation is based on a 12-month rolling period, rolled monthly.
4. Maintain most current Material Safety Data Sheets (MSDS) for all paints used in this process.

*Authority for Requirement - Iowa DNR Construction Permit 98-A-360-S1*

## **J. Emission Point-Specific Conditions for EP 33**

### Associated Equipment

Associated Emission Unit ID Number: 17

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 17  
Emission Unit Description: KP Engine Exhaust Extractor  
Raw Material/Fuel: Diesel Fuel  
Rated Capacity: 525 hp/hour

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.1 gr/dscf

*Authority for Requirement: 567 IAC 23.3(2)a, Iowa DNR Construction Permit 99-A-129*

Opacity: 40%\*

\*If emissions above the Indicator Opacity (25%) are observed other than at start-up, shut-down, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.

*Authority for Requirement: 567 IAC 23.3(2)d, Iowa DNR Construction Permit 99-A-129*

SO<sub>x</sub>: 2.5 lb/MMBtu

*Authority for Requirement: 567 IAC 23.3(3)b, Iowa DNR Construction Permit 99-A-129*

#### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Hours of operation: This unit shall operate no more than 50 hours per 12-month rolling period.

Process throughput: The sulfur content of the fuel cannot exceed 2.1% by weight.

The fuel used is limited to diesel fuel oil.

The usage of diesel fuel cannot exceed 1305 gallons per 12-month rolling period.

*Authority for Requirements: Iowa DNR Construction Permit 99-A-129*

Additional Emission Requirements: The source emission characteristics for this emission point shall be as follows:

- a. Stack height = 25 feet
- b. Stack Diameter = 18 inches
- c. Stack Temperature = 104 °F
- d. Flowrate = 2906 ACFM

*Authority for Requirement: Iowa DNR Construction Permit 99-A-129*



### Stack Testing and Monitoring Requirements

None are required at this time.

### Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Records shall be kept on-site for at least five years and shall be available for inspection by the Department. Records shall be maintained in a legible and orderly manner and shall indicate the following:

- a. Record the number of hours this unit is in operation based on a 12-month rolling period, rolled monthly. This time of each run is to be logged in every hour that the unit is in operation.
- b. Record the amount of diesel fuel consumed based on a 12-month rolling period, rolled monthly. Maintain documents from the supplier regarding the sulfur content of the fuel by weight.

*Authority for Requirement: Iowa DNR Construction Permit 99-A-129*

## K. Emission Point-Specific Conditions for EP 34

### Associated Equipment

Associated Emission Unit ID Number: 18

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### Applicable Requirements

Emission Unit vented through this Emission Point: 18  
Emission Unit Description: KP Engine Exhaust Extractor  
Raw Material/Fuel: Diesel Fuel  
Rated Capacity: 525 hp/hour

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.1 gr/dscf

*Authority for Requirement: 567 IAC 23.3(2)a, Iowa DNR Construction Permit 99-A-130*

Opacity: 40%\*

\*If emissions above the Indicator Opacity (25%) are observed other than at start-up, shut-down, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.

*Authority for Requirement: 567 IAC 23.3(2)d, Iowa DNR Construction Permit 99-A-130*

SO<sub>x</sub>: 2.5 lb/MMBtu

*Authority for Requirement: 567 IAC 23.3(2)d, Iowa DNR Construction Permit 99-A-130*

#### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Hours of operation: This unit cannot exceed 50 hours per 12-month rolling period.

Process throughput: The sulfur content of the fuel cannot exceed 2.1% by weight.

The fuel is limited to diesel fuel oil.

The usage of diesel fuel cannot exceed 1305 gallons per 12-month rolling period.

*Authority for Requirements: Iowa DNR Construction Permit 99-A-130*

Additional Emission Requirements: The source emission characteristics for this emission point shall be as follows:

- a. Stack height = 30 feet
- b. Stack Diameter = 18 inches
- c. Stack Temperature = 104°F
- d. Flowrate = 2906 ACFM

*Authority for Requirement: Iowa DNR Construction Permit 99-A-130*

### Stack Testing and Monitoring Requirements

None are required at this time.

### Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Records shall be kept on-site for at least five years and shall be available for inspection by the Department. Records shall be maintained in a legible and orderly manner and shall indicate the following:

- a. Record the number of hours this unit is in operation based on a 12-month rolling period, rolled monthly. The time of each run is to be logged in every hour that the unit is in operation.
- b. Record the amount of diesel fuel consumed based on a 12-month rolling period, rolled monthly. Maintain documents from the supplier regarding the sulfur content of the fuel by weight.

*Authority for Requirement: Iowa DNR Construction Permit 99-A-130*

## **L. Emission Point-Specific Conditions for EP 35**

### Associated Equipment

Associated Emission Unit ID Number: 19

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 19

Emission Unit Description: Maintenance Engine Exhaust Extractor

Raw Material/Fuel: Diesel Fuel

Rated Capacity: 1050 hp/hr

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.1 gr/dscf

*Authority for Requirement: 567 IAC 23.3(2)a, Iowa DNR Construction Permit 99-A-131*

Opacity: 40%\*

\*If emissions above the Indicator Opacity (25%) are observed other than at start-up, shut-down, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.

*Authority for Requirement: 567 IAC 23.3(2)d, Iowa DNR Construction Permit 99-A-131*

SO<sub>x</sub>: 2.5 lb/MMBtu

*Authority for Requirement: 567 IAC 23.3(3)b, Iowa DNR Construction Permit 99-A-131*

NO<sub>x</sub>: 37.88 lb/hr

*Authority for Requirement: Iowa DNR Construction Permit 99-A-131*

#### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Hours of operation: This unit cannot exceed 2080 hours per 12-month rolling period.

Process throughput: The sulfur content of the fuel cannot exceed 2.1% by weight.

The fuel is limited to diesel fuel oil.

The usage of diesel fuel cannot exceed 108,576 gallons per 12-month rolling period.

*Authority for Requirements: Iowa DNR Construction Permit 99-A-131*

Additional Emission Requirements: The source emission characteristics for this emission point shall be as follows:

- a. Stack height = 23 feet
- b. Stack Diameter = 12 inches
- c. Stack Temperature = 200-300 °F
- d. Flowrate = 4000 ACFM

*Authority for Requirement: Iowa DNR Construction Permit 99-A-131*

### Stack Testing and Monitoring Requirements

None are required at this time.

### Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Records shall be kept on-site for at least five years and shall be available for inspection by the Department. Records shall be maintained in a legible and orderly manner and shall indicate the following:

- a. Record the number of hours this unit is in operation based on a 12-month rolling period, rolled monthly. The time of each run is to be logged in every hour that the unit is in operation.
- b. Record the amount of diesel fuel consumed based on a 12-month rolling period, rolled monthly. Maintain documents from the supplier regarding the sulfur content of the fuel by weight.

*Authority for Requirement: Iowa DNR Construction Permit 99-A-131*

## M. Emission Point-Specific Conditions for EP 36

### Associated Equipment

Associated Emission Unit ID Number: 20

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### Applicable Requirements

Emission Unit vented through this Emission Point: 20

Emission Unit Description: KP Bead Blaster

Raw Material/Fuel: Glass Beads

Rated Capacity: 2,080 hr/yr

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.1 gr/dscf

*Authority for Requirement: 567 IAC 23.3(2)a*

Opacity: 40%\*

\*If emissions above the Indicator Opacity (25%) are observed other than at start-up, shut-down, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.

*Authority for Requirement: 567 IAC 23.3(2)d, Iowa DNR Construction Permit 99-A-132*

#### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Hours of Operation: This unit cannot exceed 2080 hours per 12-month rolling period.

*Authority for Requirements: Iowa DNR Construction Permit 99-A-132*

Additional Emission Requirements: The source emission characteristics for this emission point shall be as follows:

- a. Stack height = 3 feet
- b. Stack Diameter = 4 inches
- c. Stack Temperature = Ambient
- d. Flowrate = 85 ACFM

*Authority for Requirement: Iowa DNR Construction Permit 99-A-132*

#### Stack Testing and Monitoring Requirements

None required at this time.

### Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Recordkeeping Requirement: Records shall be kept on-site for at least five years and shall be available for inspection by the Department. Records shall be maintained in a legible and orderly manner and shall indicate the following:

Record the number of hours this unit is in operation based on a 12-month rolling period, rolled monthly.

*Authority for Requirement: Iowa DNR Construction Permit 99-A-132*

## **N. Emission Point-Specific Conditions for EP NP12**

### Associated Equipment

Associated Emission Unit ID Number: NP12

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: NP12

Emission Unit Description: Wood Grinder

Raw Material/Fuel: Wood

Rated Capacity: 325 hp, 2350 scfm

#### Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

*The owner/operator of this equipment shall comply with the emission limits and requirements listed below.*

Particulate Matter: 0.1 gr/dscf

*Authority for Requirement: 567 IAC 23.3(2)a*

Sulfur Dioxide: 2.5 lb/MMBtu

*Authority for Requirement: 567 IAC 23.3(3)*

Opacity: 40%

*Authority for Requirement: 567 IAC 23.3(2)d*

#### Operational Limits & Requirements

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process Throughput: This emission unit shall combust number 1 (or number 2) fuel oil with a sulfur content that does not exceed 0.5 percent.

*Authority for Requirement: 567 IAC 23.3(3)*

#### Stack Testing and Monitoring Requirements

None required at this time.



### Recordkeeping and Reporting Requirements

*The owner/operator of this equipment shall comply with the recordkeeping and reporting requirements listed below.*

Records shall be kept on-site for at least five years and shall be available for inspection by the Department. Records shall be maintained in a legible and orderly manner and shall indicate the following:

The facility shall monitor the percent of sulfur in the fuel as delivered to accurately track the SO<sub>x</sub> emissions. The amount of fuel purchased and the sulfur content shall be used to calculate the overall sulfur content of all the fuel as combusted on a rolling twelve-month average. The sulfur content shall be used to calculate the actual SO<sub>x</sub> emissions. The sulfur content can be vendor supplied or facility generated.

*Authority for Requirement: 567 IAC 22.108(13)*

## IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code (IAC) chapter 22.

### A. Eligibility

1. Sources covered by this permit must meet the eligibility requirements for a voluntary operating permit as described in 567 IAC 22.201.

2. If the issuance of a construction permit acts to make the source no longer eligible for a voluntary operating permit, then the source shall, in accordance with subparagraph 22.105(1)"a"(6) not operate without a Title V operating permit, and the source shall be subject to enforcement action for operating without a Title V operating permit. 567 IAC 22.207(1)

### B. Duty To Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. 567 IAC 22.203(1)"c"

### C. Access to the Permit

This voluntary operating permit is to be kept at the location of the source. 567 IAC 22.206(1)"h"

### D. Requirement to Apply for a Title V Permit

The permittee may be required to apply for and obtain a Title V operating permit prior to the expiration of this voluntary operating permit. The circumstances under which this may occur are: the source becomes subject to a newly promulgated standard or other requirement pursuant to IAC 567--22.101 which requires the permittee to apply for a Title V permit; issuance of construction permits which make the source no longer eligible for a voluntary operating permit pursuant to IAC 567--22.207; or the deferment period for non-major sources pursuant to IAC 22.101(2) ends.

Applications for a Title V permit shall be submitted within 12 months of the date a Title V

permit is required. 567 IAC 22.101(2), 567 IAC 22.201(2)"b"

### E. Permit Renewal

1. Sources covered by a voluntary operating permit shall reapply for a voluntary operating permit at least 6 months but not more than 12 months prior to the date of expiration of the permit. 567 IAC 22.203(1)"a"(2) Requirements pertaining to making a voluntary operating permit application are contained in 567 IAC 22.203

2. Each application for renewal of a voluntary operating permit shall include a list of construction permits issued during the term of the voluntary operating permit and shall state the effect of each of these construction permits on the conditions of the voluntary operating permit. Applications for renewal shall be accompanied by copies of all construction permits issued during the term of the voluntary operating permit. 567 IAC 22.207(2)

3. To be considered as complete, an application must provide all information required pursuant to subrule 22.203(2). 567 IAC 22.203(1)"b"

### F. Duty to Comply

1. The permittee must comply with all conditions of the voluntary operating permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination and revocation; and, for an immediate requirement to obtain a Title V operating permit. 567 IAC 22.206(1)"i"

2. All terms and conditions in the voluntary operating permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. 567 IAC 22.206(2)"b"(1)

3. Any terms and conditions included in the permit that are not required under the Act or

under any of its applicable requirements shall be designated in the permit as not being federally enforceable. *IAC 22.206(2)"b"(2)*

4. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.206(1)"j"*

#### **G. Certification Requirement for Related Documents**

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.203(1)"d"*

#### **H. Voluntary Operating Permit Fee**

Each source in compliance with a current voluntary operating permit shall be exempt from Title V operating permit fees. *567 IAC 22.204*

#### **I. Inspection of Premises, Records, Equipment, Methods and Discharges**

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:

- enter upon the permittee's premises where an emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and,
- sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements. *455B.103(4)*

#### **J. Duty to Provide Information**

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for revoking or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit. *567 IAC 22.206(1)"m"*

#### **K. Hazardous Release**

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity strength and toxicity of the substance, creates an immediate or potential danger to public health, safety or to the environment. A verbal report shall be made to the IDNR at (515) 281-8964 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in *567 IAC 131.2(2)*. *567 IAC Chapter 131-State Only*

#### **L. Excess Emissions and Excess Emissions Reporting Requirements**

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this

report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

## 2. Excess Emissions Reporting.

a. *Oral Reporting of Excess Emissions.* An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the IDNR within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1) ) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:

- the identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point;
- the estimated quantity of the excess emission;

- the time and expected duration of the excess emission;
- the cause of the excess emission;
- the steps being taken to remedy the excess emission; and,
- the steps being taken to limit the excess emission in the interim period.

b. *Written Reporting of Excess Emissions.* A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the IDNR within seven days of the onset of the upset condition, and shall include as a minimum the following:

- the identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point;
- the estimated quantity of the excess emission;
- the time and duration of the excess emission;
- the cause of the excess emission;
- the steps that were taken to remedy and to prevent the recurrence of the incident of excess emission;
- the steps that were taken to limit the excess emission; and,
- if the owner claims that the excess emission was due to malfunction, documentation to support this claim. 567 IAC 24.1(1)-567 IAC 24.1(4)

## 3. Emergency Defense for Excess Emissions.

For the purposes of a voluntary operating permit, an “emergency” means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error. 567 IAC 22.206(2)"f"

#### **M. Notification Requirements for Sources That Become Subject to NSPS and HAP Regulations**

During the term of this permit, the permittee must notify the IDNR of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants) or section 112 of the Act. This notification shall be submitted in writing to the IDNR 30 days before the source becomes subject to the fore-mentioned standard or other requirement. *40 CFR part 63.9 as adopted in 567 IAC 23.1(4); 40 CFR part 60.7 as adopted in 567 IAC 23.1(2)*

#### **N. Duty to Obtain Construction Permits**

Unless exempted under 567 IAC 22.1(2), the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8 or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5.

#### **O. Suspension, Termination, and Revocation of Voluntary Operating Permits**

1. This permit may be modified, revoked, reopened, reissued, or terminated for cause. *567 IAC 22.208(1)*

2. If the voluntary permit is suspended, terminated or revoked by the IDNR, the notice of such action shall be served on the applicant or permittee by certified mail, return receipt requested. The notice shall include a statement detailing the grounds for the action sought and the proceeding shall in all other respects comply with the requirements of rule 561-7.16(17A.455A). *IAC 567-22.208(2)*

#### **P. Property Rights**

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.206(1)"l"*

#### **Q. Fugitive Emissions**

Fugitive Emissions from a source shall be included in the permit in the same manner as

stack emissions, regardless of whether the source category in question is included in the list of sources contained in the definition of major source. *567 IAC 22.206(2)"a"*

#### **R. Asbestos**

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when conducting any renovation or demolition activities at the facility. *IAC 23.1(3)"a", and 567 IAC 23.2*

#### **S. Open Burning**

The permittee is prohibited from conducting open burning, except as may be allowed by 567 IAC 23.2. *567 IAC 23.2 except 23.2(3)"h"; 567 IAC 23.2(3)"h" - State Only*

#### **T. Stratospheric Ozone and Climate Protection (Title VI) Requirements**

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.

b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.

c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.

d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.

c. Persons performing maintenance, service,

repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.  
d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)  
e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.

4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does

not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,

5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

#### **U. Disclaimer**

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 22.3(3)"c"*

#### **V. Prevention of Accidental Release: Risk Management Plan**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the plan shall be filed with all appropriate authorities by the deadline specified by EPA. *40 CFR 68*

#### **W. Facility Operation**

All equipment, facilities and systems covered under the terms and conditions of this Voluntary Operating Permit shall at all times be maintained in good working order and be operated in the manner consistent with the information provided in the application, manufacturer's recommended procedures, associated plans, and specifications. *567 IAC 24.2(1)*

## **X. Contact List**

Reports of notifications should be forwarded to the following DNR field offices. Current addresses and phone numbers are:

### **Field Office 1**

909 West Main  
Suite D  
Manchester, IA 52057  
(319) 927-2640

### **Field Office 2**

P.O. Box 1443  
2300-15th St., SW  
Mason City, IA 50401  
(515) 424-4073

### **Field Office 3**

1900 N. Grand Ave.  
Spencer, IA 51301  
(712) 262-4177

### **Field Office 4**

706 Sunnyside  
Atlantic, IA 50022  
(712) 243-1934

### **Field Office 5**

607 East 2nd St.  
Des Moines, IA 50309  
(515) 281-9069

### **Field Office 6**

1004 W. Madison  
Washington, IA 52353  
(319) 653-2135

## **Y. Severability**

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.206(1)"a"*